QS/QC Series Signal Distribution

Extended L-Band Splitters & Combiners

QS/QC

General Description:

The ***QS/QC Series*** product line builds upon the well-known and proven Quintech ***LS*** and ***LC*** products. The ***QS/QC Series*** brings Quintech's excellent flatness and linearity to the extended L-band frequency range and provides adjustable LNB power options to meet all of your signal distribution needs now and in the future.

Features & Benefits:

- 50Ω 950-4000 MHz or 75Ω 850-3000 MHz Operating Range
- Multiple configurations available in a 1RU Enclosure
- 1X4 (single, dual, quad),1X8 (single dual), 1X16 (single, dual), 1x32 (single)
- LNB Power: 750 mA 13/18 V with 22 kHz Tone, or 24V fixed
- Passive and Active Configurations available
- Power Supply Status Monitoring
- Single and Redundant DC or AC power options

Specifications:*	850-3000 MHz			950-4000 MHz		
Available Configurations	1X2 (single, dual, quad), 1X4 (single, dual, quad), 1X8 (single or dual), 1X16 (single or dual), 1X32 (single)					
Configuration:	1x4	1x8	1x16	1x4	1x8	1x16
RF Connectors:	F-Type, BNC			SMA (f)		
Impedance:	75 Ω			50 Ω		
Operating Frequency:	850-3000 MHz			950-4000MHz		
Insertion Loss: (Passive) (Splitter)	-8 +/- 2.0 dB	-11 +/- 3.0 dB	-15 +/- 3.0 dB	-8 +/- 2.0 dB	-11 +/- 3.0 dB	-15 +/- 3.0 dB
	950-2450 MHz			950-2450 MHz		
	-8 +/- 1.5 dB	-11 +/- 2.0 dB	-15 +/- 2.0 dB	-8 +/- 1.5 dB	-11 +/- 2.0 dB	-15 +/- 2.0 dB
Insertion Loss: (Active) (Combiner)	850-3000 MHz			950-4000MHz		
	0 +/- 2.0 dB	0 +/- 2.0 dB	0 +/- 2.0 dB	0 +/- 1.5 dB	0 +/- 2.0 dB	0 +/- 2.0 dB
	950-2450 MHz			950-2450 MHz		
	0 +/- 1.0 dB	0 +/- 1.0 dB	0 +/- 1.0 dB	0 +/- 1.0 dB	0 +/- 1.0 dB	0 +/- 1.0 dB
Input P1dB:	0 dBm min.			0 dBm each input		
Noise Figure:	850-3000 MHz			950-4000MHz		
	(Splitter) 10 dB Max.	(Combiner) 25 dB Max.		(Splitter) 10 dB Max.	(Combiner) 23 dB Max	
	950-2450 MHz			950-2450 MHz		
	(Splitter) 8 dB Max.	(Combiner) 22 dB Max.		(Splitter) 8 dB Max.	(Combiner) 20 dB Max.	
OIP3: Default Gain	10 dBm Min	10 dBm Min		10 dBm Min	10 dBm Min	
Input Return Loss:	850-3000 MHz			950-4000MHz		
	12 dBm	12 dBm		12 dBm	12 dBm	
	950-2450 MHz			950-2450 MHz		
	14 dBm	14 dBm		14 dBm	14 dBm	
Output Return Loss:	14 dBm	14 dBm		14 dBm	14 dBm	
Isolation: Port to Port (Same Divider)	18 dBm	18 dBm		18 dBm	14 dBm	
Isolation: Between Dividers:	50 dBm	50 dBm		50 dBm	50 dBm	
Power Requirements:						
AC Input Range*:	100-240 VAC Autoranging 50/60 Hz 5A **Single and Redundant Power options available**					
DC Input Range*:	12-24V DC, or -48VDC* via 2-pin quick connect **Single and Redundant Power options available**					
Max Input Power (No Damage)	20 dBm (30 VDC max on any port)					
LNB Power*: 10W Typical power consumption plus customer LNB Power Load	AC Input Options: Switched 24V @500mA*					
	DC INput Options: Switched LNB Power (voltage matches input)					
	13V/18V, 22Hz tone switchable @ 750mA max*					
Size:	1 RU (1.75" H x 19" W x 7" D)					
Weight:	6 lbs. gross (boxed) 3lbs. net					

* Denotes optional features **Typical refers to expected product performance that is useful in application of the product but is not covered by the product warranty

*Specifications may vary with connector type. See individual specification sheet for specific performance data.